Ontario

Ministry of Natural Resources

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

Ministry of Northern Affairs

Hon. Leo Bernier
Minister

David Hobbs
Deputy Minister

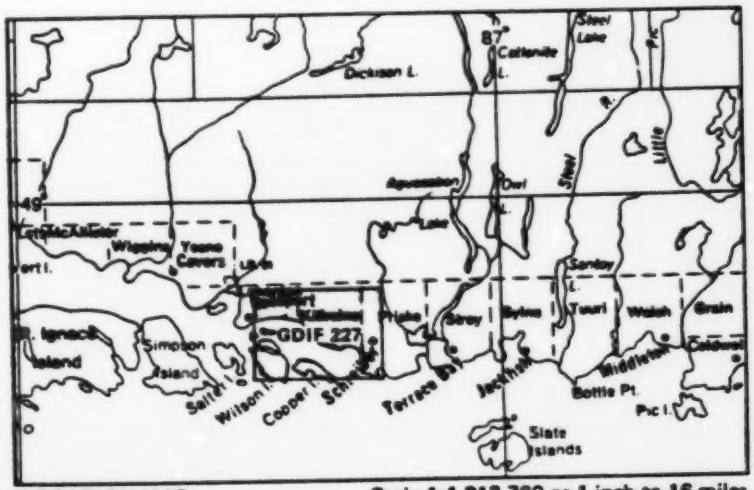
ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO
GDIF 227

WALKER LAKE AREA

DISTRICT OF THUNDER BAY

Compiled by the Staff of
the Resident Geologist's Office
Thunder Bay



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

86-0827/

NTS Number 42 D 14/SW

Mining Claim Map Number Walker Lake Area: Killraine Township G-625, Lahontan Township G-629, Priske Township G-631

This project was funded by the Ministry of Northern Affairs (MNA).

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1985: Walker Lake Area, District of Thunder Bay; Ontario Geological Survey, Geological Data Inventory Folio 227, compiled by the staff of the Resident Geologist's Office, Thunder Bay, 24 pages and 2 maps.

Original Compilation by: P. Perry

Date	Page Revised	Revised by

Date	Page Revised	Revised by

WALKER LAKE AREA

TABLE OF CONTENTS

Data Sources Checklist 1
Metals and Minerals Reference List 2
Mineral Occurrences 3
Type of Work 4
Drill Hole Summary 7
Airborne Geophysical Survey Data 8
Geochemical Survey Data 9
Miscellaneous Data 10
Newspaper Clipping File 11
ODM General Index Search 12
Selected References 20
Notes and Addenda 24

ACCOMPANYING MAPS

Property Location Map - 1

Exploration Data Map - 1

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
		LENGTH			
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
		AREA			
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
		VOLUME			
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
		CAPACITY			
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
		MASS			
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
		CONCENTRATION			
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	P. NOV./84
2	Assessment Files Research Office, Toronto	YES	P. NOV./84
3	ODM General Index; 7 volumes	YES	P. NOV./84
4	Catalogue of Airborne Geophysical Surveys (ODM)	YES	P. NOV./84
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	P. NOV./84
6	ODM Industrial Mineral Reports	YES	P. NOV./84
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	P. NOV./84
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	YES	P. NOV./84
9	Newspaper Clippings File	YES	P. NOV./84
10	GSC Index to Publications	YES	P. NOV./84
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	P. NOV./84
12	OGS Index Maps	YES	P. NOV./84
13	Source Mineral Deposit Records (O.G.S.)	PARTIAL	P. NOV./84
14	Author - Subject Articles File	YES	P. NOV./84
15	Miscellaneous Papers: ODM & OGS	YES	P. NOV./84
16	ODM Geological Circulars: OGS Study Series		
17	ODM Preliminary Reports: ODM Bulletins	YES	P. NOV./84
18	ODM – OGS Open File Reports	YES	P. NOV./84
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	P. NOV./84
20	OGS Aggregate Resources Inventory Papers	N.A.	P. NOV./84
21	OGS Mineral Potential Maps	YES	P. NOV./84

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . .Anhydrite
- △ ank. . . . . .Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . .Apatite
- △ arg . . . . . Argentite
- △ As . . . . . .Arsenic
- △ asp . . . . . .Arsenopyrite
- △ asb . . . . . .Asbestos
- △ ba. . . . . .Barite
- △ be. . . . . .Beryl
- △ Bi. . . . . .Bismuth
- △ bn . . . . . .Bornite
- △ bran . . . . . .Brannerite
- △ bruc . . . . . .Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- ▲ carb . . . . . .Carbonate
- △ cel . . . . . .Celestite
- △ cc. . . . . .Chalcocite
- ▲ cp. . . . . .Chalcopyrite
- △ ch. . . . . .Chert
- △ clay . . . . . .Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . .Columbite
- ▲ Cu . . . . . .Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . .Feldspar
- ▲ fl . . . . . .Fluorite (flurospar)
- △ fu. . . . . .Fuchsite
- △ gn. . . . . .Galena
- ▲ gt. . . . . .Garnet
- △ goe . . . . . .Goethite
- ▲ Au . . . . . Gold
- ▲ gf. . . . . .Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . .Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . .Ilmenite
- ▲ Fe . . . . . .Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . .Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- ▲ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . .Magnesite
- ▲ mag . . . . . .Magnetite
- △ mc . . . . . .Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . .Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . .Marl
- △ mi . . . . . Mica
- △ ml . . . . . .Millerite
- ▲ mo . . . . . Molybdenite
- △ Mo . . . . . .Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . .Niccolite
- ▲ Ni. . . . . Nickel
- △ Nb . . . . . .Niobium
- △ Pd . . . . . .Palladium
- △ peat . . . . . .Peat
- △ pent . . . . . .Pentlandite
- △ Pt. . . . . .Platinum
- ▲ py . . . . . .Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . .Pyrolusite
- ▲ po . . . . . .Pyrrhotite
- △ q . . . . . .Quartz
- △ qcv . . . . .Quartz carbonate vein
- △ ra. . . . . .Radioactive minerals
- △ RE . . . . . .Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . .Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . .Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . .Shale
- △ sid . . . . . Siderite
- △ si . . . . . .Silica
- ▲ Ag . . . . . .Silver
- △ sl . . . . . Slate
- △ sm . . . . . .Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . .Sphalerite
- △ spd . . . . . .Spodumene
- △ staur . . . . . .Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . .Stone
- △ talc. . . . . .Talc
- △ Te . . . . . .Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . .Thorite
- △ Th . . . . . .Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . .Tourmaline
- △ trap . . . . . .Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . .Uranium
- △ verm . . . . . .Vermiculite
- △ Y . . . . . Yttrium
- ▲ Zn . . . . . .Zinc
- △ zr. . . . . Zircon
- ▲ S. . . . . .Sulphides

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps and in drill logs.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	North Shore Gold Mine - McKellar-Longworth (past producer)	Au, Ag	1749	MRC 13, p. 287	OGS 1938, AR Vol. 47, Pt. 9, pp. 18-21
B	Worthington Bay Occurrence	Pb, Ag, Zn, py			OGS 1981, P-2391
C	Longworth Silver Occurrence	Ag, Au, Pb, Zn			Resident Geologist's Assessment Files, Thunder Bay
D	Morley Pyrite (Davis Sulphur Ore, R 606) (past producer)	S, Fe		MRC 5, p. 52	OGS 1938, AR Vol. 47, Pt. 9, p. 27
E	Morley High Grade (P. A. L. Exploration, R 606)	Au, Ag, Zn, Pb, Cu			OGS 1938, AR Vol. 47, Pt. 9, p. 26
F	Mudge (Otisse)	py, po		MRC 5, p. 57	OGS 1938, AR Vol. 47, Pt. 9, p. 28

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done;e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	DIP NEEDLE		
1	Dickenson Mines Limited (Halonen Option)				65															
2	Douglas, Arthur				73															
3	Elwood Mining Exploration Co. F.N.: 63.961	57 58			57 58								57							
4	Estell, Harvey Louis	?[1]																		
5	Gale, D. E. F.N.: 2.202									70[2]										
6	Halonen. J. E.			74																
7	Ironlake Exploration Co. (Downey. C.) F.N.: 63.164																	48		
8	New Ambrose Resources Inc. (United Continental Energy Corp.. Livingstone Energy Corp.) F.N.: 2.6874								83	83										

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
9	New Ambrose Resources Inc. (United Continental Energy Corp., Livingstone Energy Corp.) F.N.: 2.6874								83	83										
10	New Ambrose Resources Inc. (United Continental Energy Corp., Livingstone Energy Corp.) F.N.: 2.6874								83	83										
11	Nicohal Mines Limited	70[3]																		
12	Noranda Exploration Co. Ltd. F.N.: 2.6801, 2.6795											83[3]	83[3]							
13	Noranda Exploration Co. Ltd. F.N.: 2.6778	83[3]	83[3]																	
14	Norrad, Glen (Candela Exploration)	52																		
15	North Shore Gold Mines Ltd. (Sylvanite Gold Mines Ltd.)	36 39				36 39		37 38 39												

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE THUNDER BAY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIG	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
16	Pitkanen, R.			72															
17	Skalesky, Paul			84															
18	Schreiber Gold Mines Limited	33																	
19	Megalode Resources Inc. F.N.: 2.6520											84[2]	84[2]						
20	United Continental Energy Corporation F.N.: 2.5676								83[2]	83[2]									
21	Noranda Exploration Co. Ltd. F.N.: 2.6065, 2.7024, 2.7025	84							83	83		84							

Notes: 1. Year unknown - map only, no report 2. Filed 42 D 14/SE 3. Filed 42 D 14/NW

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden (feet)	Total Length of Hole (feet)	Mineralization Noted in Log	Assay Data Included for
1	Dickenson Mines Limited	D.D.H. 1	July/65	245°	-45°	2.5	506.0	mo, py, cp	
2 a	Douglas, Arthur	Hole 1	Oct./73	270°	-45°	34.0	250.0	fl	
b	" "	Hole 2	"	090°	-70°	57.0	250.0		
c	" "	Hole 3	"	198°	-52°	39.0	246.0	fl	
3	" "	Hole 4	"	235°	-55°	24.0	254.0	fl	
4	Elwood Mining Explortion Company	Hole 1	Dec./57	360°	-45°	87.0	285.0	py, gf, po	Ni, Ag, Au, Zn, Cu
5	" " "	Hole 2	"	360°	-45°	5.0	517.0	carb, py, po, gt	Ni, Ag, Au, Zn, Cu
6	" " "	Hole 3	Jan./58	-	-90°	40.0	304.0	py, carb, po, mag	Ni, Ag, Au, Zn, Cu
7	" " "	Hole 4	"	-	-90°	50.0	401.0	py, carb, gf	

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
5	Oja Limited Gale, D. E. F.N.: 2.202	Electromagnetic (galvanic).	300 feet	North/South	1/8 mile
8	Aerodat Limited New Ambrose Resources Incorporated	Magnetic, Electromagnetic, VLF-E.M.	60 metres	North/South	660 feet
9	Aerodat Limited New Ambrose Resources Incorporated	Magnetic, Electromagnetic, VLF-E.M.	60 metres	North/South	660 feet
10	Aerodat Limited New Ambrose Resources Incorporated	Magnetic, Electromagnetic, VLF-E.M.	60 metres	North/South	660 feet
20	Aerodat Limited United Continental Energy Corp.	Magnetic, Electromagnetic, VLF-E.M.	60 metres	North/South	660 feet
21	Questor Surveys Limited Noranda Exploration Co. Ltd. F.N.: 2.6065	Magnetic, Electromagnetic.	120 metres	North/South	250 metres

GDIF FORM NO. 4

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		
1	Humus Sampling	Cu, Pb, Zn	Noranda Exploration Co. Ltd.	Resident Geologist's Assessment Files, Thunder Bay

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Thunder Bay

Dickenson Mines Limited

Megalode Resources Incoporated

Nicohal Mines Limited

Noranda Exploration Company Limited

ODM GENERAL INDEX SEARCH

Words searched: Copper Island, Elmwood Mining Exploration Company, Halonen, J. E., Killraine Township (Township 85), Lahontan Township (Township 86), Longworth Lake, Longworth Occurrence, Lyne Lake, McKellar-Longworth Occurrence, Morley High Grade Occurrence, North Shore Gold Mines, Priske Township (Township 84), Schreiber, Schreiber Gold Mines, Sox Lake, Walker Lake, Wilson Island

Index Volume	Listing:	Report Volume	Part	Page
1	Schreiber, Thunder Bay District			
	Bridge near, cost	7		34
	Gold north of See Big Duck Lake			
	Keewatin near	22	1	231
	Map of country north of facing	24	1	12
	Mispickel near	11		106
	Nickel north of	23	1	110
	See also Duck Lake			
	Pyrite near	9		207
		16	1	150, 177
	Mining	7		78
	See also McKellar Mine			
	Morley Mine			
	Otisse Mine			
	Sulphur mining near	10		89
	Walker Lake, South of Penage Lake			
	Rocks	23	1	221
2	Longworth Gold Mine, Big Duck Lake			
	See McKellar-Longworth Gold Mine			
	Longworth Lake, North of Schreiber			
	Algoman rocks, See map 30a with	30	4	
	McKellar-Longworth Gold Mine, near Schreiber			
	See also McKellar Gold Mine			
	Mud veins			
	Description; plan of workings; photos of veins	30	4	11-14
	Exploratory work	30	2	39
	Gold found	30	1	46
	Idle	32	6	21
	Location See map	30	4	7
	Mud veins, photo, gold planned from	30	4	20-22
	Operations	31	10	16
	Owner and manager	31	10	13
	Rocks	30	4	8
	Morley Pyrites Mine, near Schreiber			
	Graphite schist	30	4	5
	Location, See map	30	4	7
	Pyrrhotite	30	4	23
	Notes by Hopkins	30	4	24
	Trail shipment (1897)	30	4	1

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
2	North Shore Gold Mines, Limited			
	Capital and date of charter	33	1	46
	Schreiber, Lake Superior			
	See also Schreiber-Duck Lake Area			
	Electric power from coal	30	4	3
	Gold near	30	1	46
	Discovery	30	2	4
	Mining	31	10	16
		32	6	21
	Notes	30	2	39
	See also Fenning Gold Mine			
	Harkness-Hays Gold Mine			
	Photo	30	4	2
	Rocks, See map 30a with	30	4	
	Schreiber Gold Mines, Limited			
	Capital and date of charter	33	1	47
	Walker Lake, North of Flint Bay, Lake Superior			
	Algoman and Keewatin rocks			
	See map 30a with	30	4	
3	Longworth Lake, Township 84, Thunder Bay District			
	Claim staking near	47	9	29
	Lyne Lake, Northwest of Schreiber			
	Rocks	47	9	32, 33, 35
	See also map 47j with	47	9	
	McKellar-Longworth Gold Mine, Township 84, Thunder Bay District			
	See also North Shores Gold Mine			
	Discovery	47	9	3
	Operations (1932)	42	1	87
	(1933)	43	1	95
	Production facing	49	1	18
	Morley Pyrite Claims, Southeast of Schreiber			
	Mineralization	47	9	27, 28

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
3	North Shores* Gold Mine, Township 84, Thunder Bay District			
	*Formerly McKellar-Longworth			
	Accident rate (1935)	45	1	194
	(1936)	46	1	243
	Mill capacity	44	1	8
		49	1	26
	Operations (1933)	43	1	95
	(1934)	44	1	129
	(1935)	45	1	144
	(1936)	46	1	184
	Production (1935)	45	1	10
	(1936)	46	1	15
	(1937) facing	47	1	10
	Statistics (1923 - 1939) facing	49	1	18
	Report and photos	47	9	3, 18-21
	North Shores Gold Mines, Limited			
	See also North Shore Gold Mine			
	Capital; officers; operations;			
	(1933)	43	1	95
	(1934)	44	1	129
	(1935)	45	1	144
	Incorporation	43	1	40
	North Shores Mine (1936) Limited			
	See also North Shores Gold Mine			
	Capital; officers; operations	46	1	184
	Incorporated	46	1	62
	Schreiber, Township 84, Thunder Bay District			
	Classes for prospectors	45	1	197
	Geology of area			
	See Big Duck-Aguasabon Area			
	Schreiber Area			
	Gold mg. near			
	See Blue Jay LongLac Gold Mines			
	Cook Lake Gold Mines			
	Gold Range Gold Mines			
	Harkness-Hays Gold Mines			
	McKellar-Longworth Gold Mines			
	North Shores Gold Mines			
	Schreiber Pyramid Gold Mines			
	Pyrite near	47	9	27
	Roads	47	9	4

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:		Report Volume	Part	Page
3	Rocks		47	9	7-10, 17
	Silver near		47	9	26, 27
	Topography		47	9	3
	Schreiber Area, Thunder Bay District				
	Map, geological	with	47	9	
	Northeast part, report on, by M. W. Bartley		47	9	29-38
	Southeast part, report on, by G. A. Harcourt		47	9	1-28
	Schreiber Gold Mines, Limited				
	See North Shores Gold Mines				
	Township 84, Thunder Bay District				
	See also Schreiber				
	Geology, See Schreiber Area				
	Gold mg.				
	See Gold Range Gold Mines				
	Harkness-Hays Gold Mines				
	North Shores Gold Mines				
	Schreiber-Pyramid Gold Mines				
	Township 85, Thunder Bay District				
	See Horn				
	Lyne Lake				
	Rocks, See map 47j	with	47	9	
	Walker Lake, Northwest of Schreiber				
	Sulphides near		47	9	28
4	McKellar-Longworth Gold Mine, Township 84, Thunder Bay District				
	See North Shores Gold Mine				
	North Shores* Gold Mine, Township 84, Thunder Bay District				
	*Formerly McKellar-Longworth				
	History	table	58	1	5
	Mill capacity		52	1	24
	Production (1941)	facing	51	1	16
	Statistics (1923 - 1941)	table	59	1	6

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
4	Schreiber Gold Mines, Limited			
	Property acquired by North Shores Gold Mines table	58	1	5
	Township 84, Thunder Bay District			
	Gold mg. See Schreiber-Pyramid Gold Mine			
	Township 85, Thunder Bay District			
	Claims optioned by Leitch Gold Mines	52	1	136
		53	1	122
5	Elmwood Mines, Limited			
	Incorporated	62	1	58
	McKellar-Longworth Gold Mine, Township 84, Thunder Bay District			
	See North Shores Gold Mine			
	North Shores* Gold Mine, Township 84, Thunder Bay District			
	*Formerly McKellar-Longworth			
	Production statistics	64	1	21
	Schreiber, Township 84, Thunder Bay District			
	Classes for prospectors	62	1	83, 84
	Gold mining			
	See Cook Lake Gold Mine			
	Gold Range Gold Mine			
	Harkness-Hays Gold Mine			
	North Shores Gold Mine			
	Schreiber Pyramid Gold Mine			
	Township 84, Thunder Bay District			
	Gold mining			
	See North Shores Gold Mine			
	Schreiber Pyramid Gold Mine			
6	Copper Island Mining Company Limited			
	Incorporated	65	1	33
	North Shore Gold Fields and Mines Limited			
	Change of name	67	1	35

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
7	Halonen, J. E.			
	Mining property, Big Duck Lake			
	Report on (1954)	MRC 1		28
	(1957)	MRC 2		50
8	Copper Island			
	Kashabowie Area, Thunder Bay District	GR053		21, 25
	St. Ignace Is. Area, Thunder Bay District passim	GR118		10-26
	North Shores Mine, Township 84, Thunder Bay District			
	Mining property, report on	MRC013		287-288
	Priske Township, Thunder Bay District			
	See Township 84, Thunder Bay District			
	Schreiber Area, Thunder Bay District			
	Lead/zinc	AR075		77-78
		AR076		87
		AR077		73-74
		AR078		50-51
		AR079		51-52
		AR080		134
	Magnesium/calcium	AR074		81
	Township 84, Thunder Bay District			
	Gold/silver	MRC013		287-288
	Iron	MRC011		413
	Pyrite	MRC005		52, 56, 57-58
	Wilson Island			
	St. Ignace Is. Area, Thunder Bay District	GR118		12, 13, 14, 15, 16

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
9	Morley Showing			
	Schreiber Area, Thunder Bay District			
	Report on property	MP090		46
	North Shores Gold Mines Limited			
	Schreiber Area, Thunder Bay District	MP090		44, 46, 47
	Priske Township, Thunder Bay District			
	Gold float	MDC017		125
	Pyrrhotite	MP070		313
	Schreiber			
	Township 84, Thunder Bay District	GB005		66
	Schreiber Area, Thunder Bay District			
	Chalcopyrite	MP070		106
	Pyrrhotite	MP070		312
	Report (quaternary) & map 5092 on 1979 by John F. GArtner	NOTS059		
	Sphaterite	MP070		370
	Summary of field work, 1979 by M. W. Carter	MP090		44-47

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

WALKER LAKE AREA

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Ayres, L. D., Lumbers, S. B., Milne, V. G., Robeson, D. W.	1971	Ontario Geological Map, West Central Sheet.	ODMNA Map 2199	1 inch to 16 miles
Pye, E. G.	1968	Nipigon-Schreiber, Thunder Bay District, Ontario; Geological Compilation Series. Associated maps: 2137, P-357, P-358, P-360.	ODM Map 2232	1 inch to 4 miles
		GEOLOGICAL MAPS AND REPORTS		
Bell, R.	1872	Report on the country North of Lake Superior, between the Nipigon and Michipicoten Rivers, Ontario.	GSC Report of Progress 1870-1871, Pt. 8	
Carter, M. W.	1981	Precambrian Geology of the Schreiber Area, East Part, 42 D 14/W, Thunder Bay District, Ontario.	OGS Map P-2391	1:15,840
Carter, M. W.	1981	Precambrian Geology of the Schreiber Area, West Part, NTS 42 D 14/W, Thunder Bay District, Ontario.	OGS Map P-2390	1:15,840
Giguere, J. F.	1975	Geology of St. Ignace and Adjacent Islands, NTS 42 D/NW, 52 A/NE, Thunder Bay District, Ontario. Accompanied by map 2285. Associated maps P-615 and P-616. Associated report OFR 5063.	ODM GR 118	1 inch to 4 miles
GSC	1935	Lake Nipigon Sheet, Ontario.	GSC Map 308A	1 inch to 8 miles

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Harcourt, G. A.	1938	The Southwestern Part of Schreiber Area, Thunder Bay District, Ontario. Accompanied by 47J. Associated report PR 1936-05.	ODM AR Vol. 47, Pt. 9	pp. 1-28 2 inches to 1 mile
Hofmann, H. J.	1969	Stromatolites from the Proterozoic Animikie and Sibley Groups, Ontario.	GSC Paper 68-69	
Hopkins, P. E.	1915	Geology and Canoe Routes from Schreiber to Big Duck Lake, Thunder Bay District, Ontario. Accompanied by map 24B.	OBM AR Vol. 24, Pt. 1	pp. 1-65 1 inch to 2 miles
Hopkins, P. E.	1921	Schreiber-Duck Lake Area, Thunder Bay District, Ontario. Accompanied by map 30A.	ODM AR Vol. 30, Pt. 4	pp. 1-26 1 inch to 1 mile
Marmont, Soussan	1984	The Terrace Bay Batholith and Associated Mineralization.	OGS - OFR 5514	
Marmont, Soussan, Colvine, A. C.	1983	The Geology and Mineralization of the Terrace Bay Batholith, Mink Lake Stock, and Cairo Stock.	OGS MP 100	pp. 230-233
Mason, J. K.	1981	Walker Lake Area NTS 42 D 14/SW, Thunder Bay District, Ontario, Thunder Bay Data Series.	OGS Map P-2150	1:15,840
Tanton, T. L.	1921	Nipigon-Schreiber District, Ontario.	GSC Summary Report, 1920, Pt. D	pp. 2-7
Wilson, W. J.,	1909	Geological Reconnaissance of a Portion of Algoma, and Thunder Bay Districts, Ontario, and Report on the Region Lying North of Lake Superior between the Pic and Nipigon Rivers, Ontario. Accompanied by map 964.	GSC Separate Report 980 and 1081	

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOPHYSICAL MAPS AND REPORTS		
ODM - GSC	1963	Aeromagnetic Map Schreiber, Ontario (42 D 14).	GSC Map 2139G	1:63,360
ODM - GSC	1965	Aeromagnetic Map Schreiber, Ontario (42 D).	GSC Map 7088G	1 inch to 4 miles
ODM - GSC	1970	Albany River, Algoma, Cochrane, Kenora, Sudbury, Thunder Bay and Timiskaming Districts, Ontario, Aeromagnetic Compilation Map.	ODM Map P-578	1 inch to 16 miles
		GEOCHEMICAL MAPS AND REPORTS		
GSC	1981	National Geochemical Reconnaissance Coloured Compilation Map Series; Lake Superior, Ontario.	GSC - OFR 746	1:2,000,000
GSC - OGS	1978	Field Operations and Analytical and Statistical Data of Regional Lake Sediment and Water Geochemistry, Schreiber and Part of Longlac, NTS 42 D, 42 E, Thunder Bay District. Accompanied by maps P-1805 to P-1818.	GSC - OGS - OFR 5248	
		MINERAL POTENTIAL MAPS		
Springer, J. S.	1978	Ontario Mineral Potential, Schreiber Sheet, NTS 42 D, Thunder Bay District, Ontario.	OGS Map P-1520	1:250,000
Springer, J. S., et al	1982	Mineral Potential Map of Ontario, West Central Sheet, NTS 41/NW, 42/W, 43/SW, 52, 53/SE.	OGS - OFR 5326	

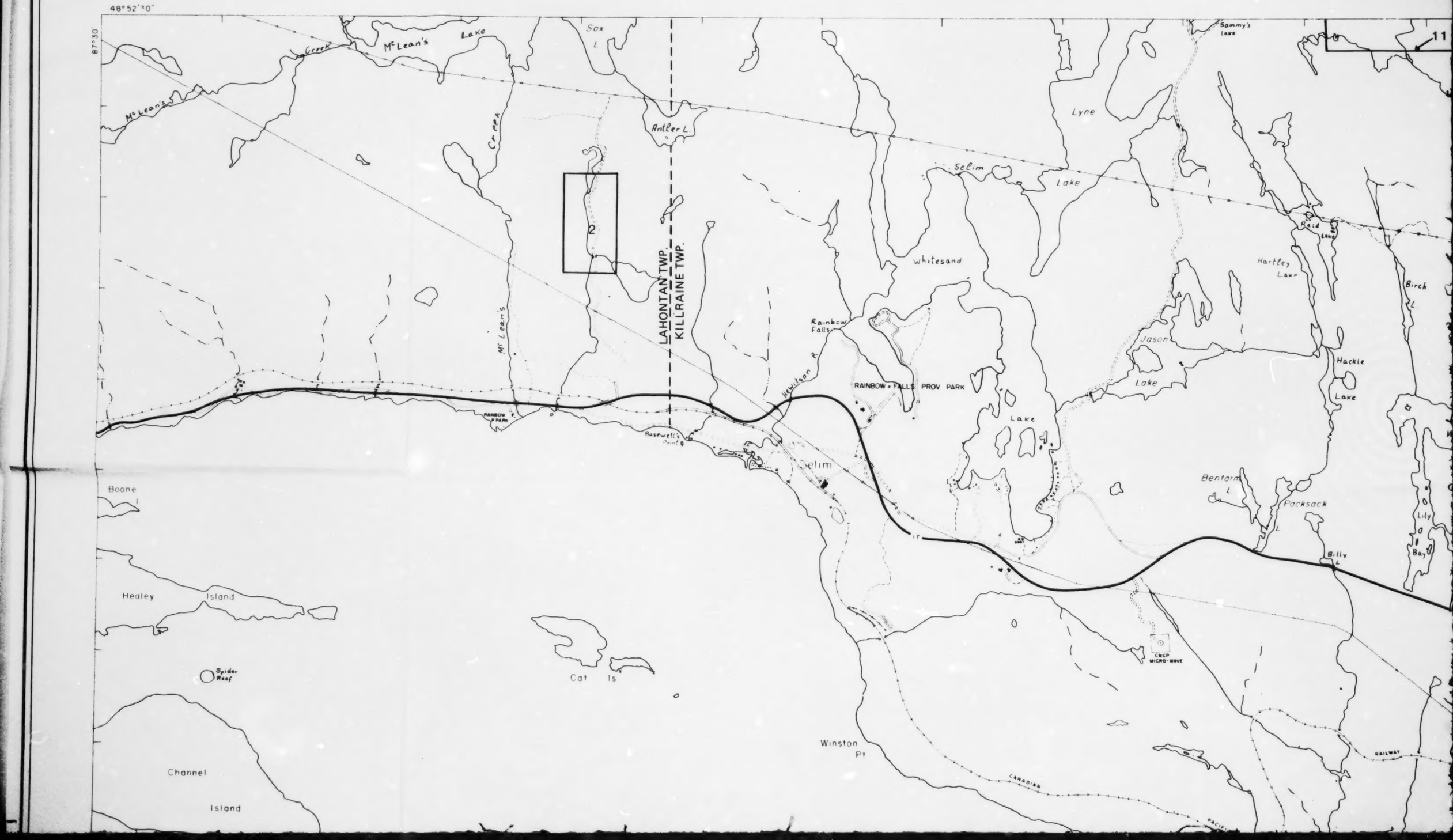
GDIF FORM NO.9

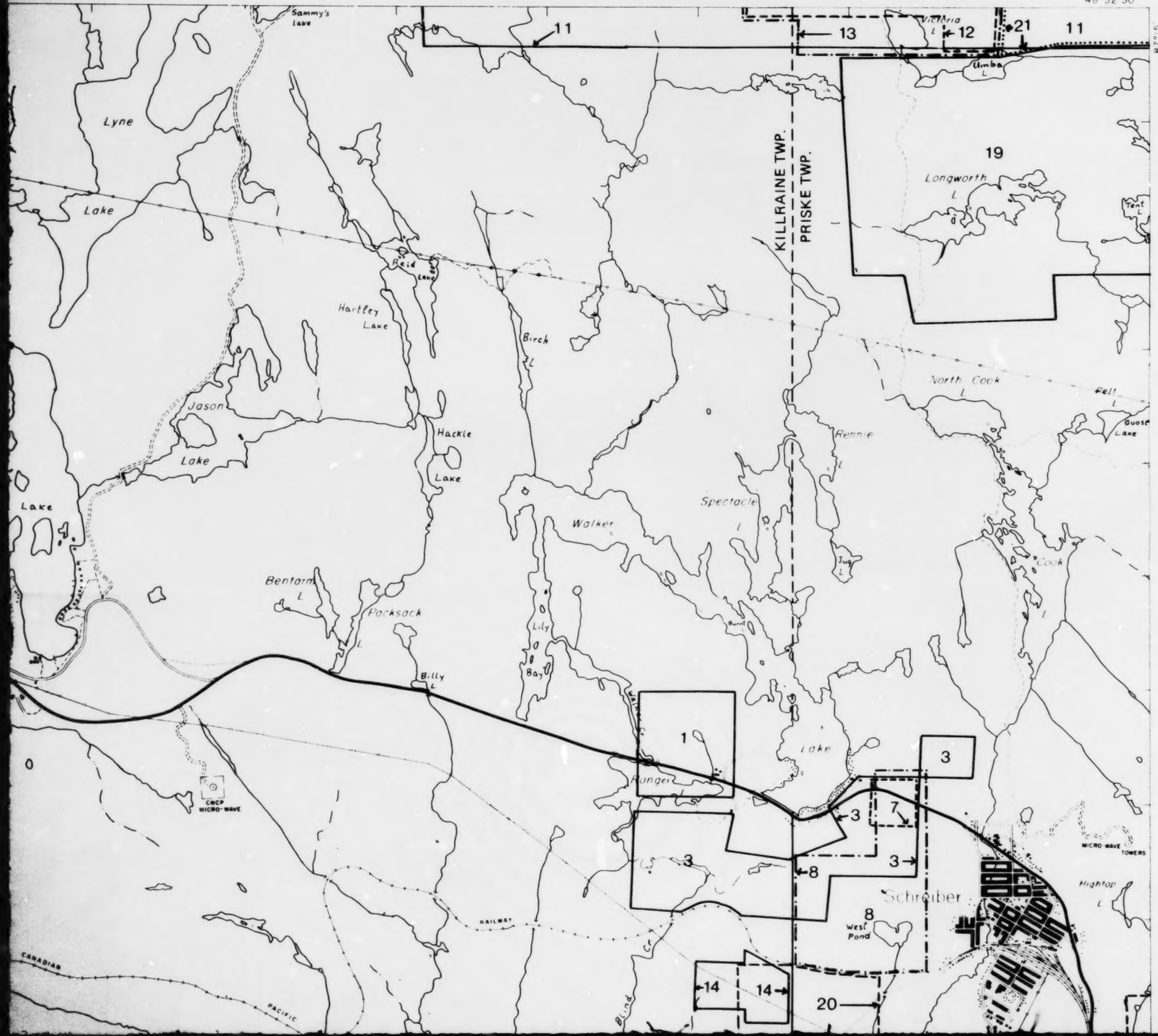
SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Farrand, W. R.	1960	Former Shorelines in Western and Northern Lake Superior Basin.	Unpublished PhD. Thesis, University of Michigan	
Gartner, J. F.	1980	Northern Ontario Engineering Geology Terrain Study 59, Schreiber Area, NTS 42 D/NW, Thunder Bay District, Ontario. Accompanied by map 5092.	NOEGTS 59	1:100,000
Phillips, B. A. M.	1980	The Morphology and Processes of the Lake Superior North Shore.	GSC Paper 80-10	pp. 407-415
Phillips, B. A. M.	1982	Characteristics of Raised Cobble Ridges in the Terrace Bay Area of the North Shore of Lake Superior.	Canadian Geographer Vol. 26, Pt. 2	pp. 128-141
Surveys and Mapping Branch Department of Energy, Mines and Resources	1968	Topographic Map Schreiber Sheet, Thunder Bay District, Ontario (42 D 14/SW).		1:50,000
Zoltai, S. C.	1965	Thunder Bay Surficial Geology, NTS 42 D, E, L; 52 A, H, I, Ontario.	ODLF Map S2-65	1 inch to 8 miles
Zoltai, S. C.	1967	Glacial Features of the North Central Lake Superior Region, Ontario.	Canadian Journal of Earth Sciences Vol. 4, No. 2	pp. 515-528

NOTES AND ADDENDA

GDIF FORM NO.10


48°52'30"
87°30'
McLean's Lake
McLean's Creek
McLean's Creek
Sox L
Antler L.
LAHONTAN TWP.
KILLRAINE TWP.
2
Selim Lake
Lyne
Sammy's Lake
11
Whitesand
Reid Lake
Hartley Lake
Birch L
Rainbow Falls
Hewitson R
RAINBOW FALLS PROV PARK
Jason Lake
Hackle Lake
Lake
Basewell's Point
Selim
Bentam L
Packsack L
Lily Bay
Billy L
17
Boone I
Healey Island
Spider Reef
Cat Is
CNCP MICRO-WAVE
Winston Pt
Channel Island
CANADIAN
RAILWAY



Ontario

Ministry of Natural Resources

Hon. Michael Harris
Minister

Mary Mogford
Deputy Minister

Ministry of Northern Affairs

Hon. Leo Bernier
Minister

David Hobbs
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 227

(Map **1** of **2**)

WALKER LAKE AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

Healey Island

Spider Reef

Cat Is

Winston Pt

CNCP MICRO-WAVE

RAILWAY

CANADIAN

PACIFIC

Twin Harbours

Flint I

Flat Pt

Channel Island

Steamboat Channel

Little L. Hbr

Kingcome I

Steamboat

Calpoy's Bay

Coffee L

McGarvey Shoal

Collingwo

Wilson Island

Swede's Cap

Copper Island

Schreiber Channel

Wilson I Harbour

Small Lake Harbour

Lindsay Head

Barr Head

Barr I

Lindsay Hd

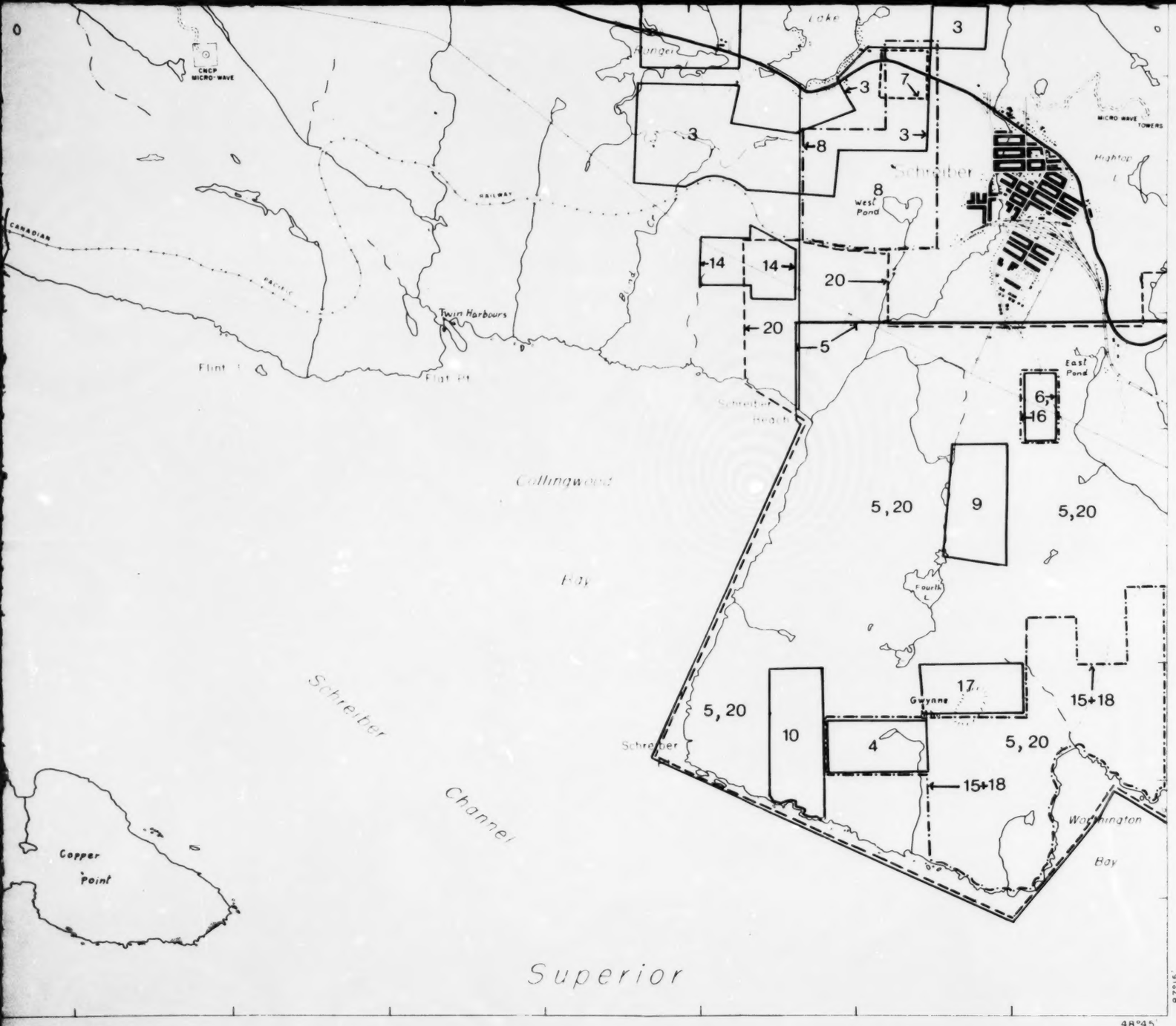
Copper Point

Lake Sup

87°30'

48°45'

Cobinosh I.



EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration.

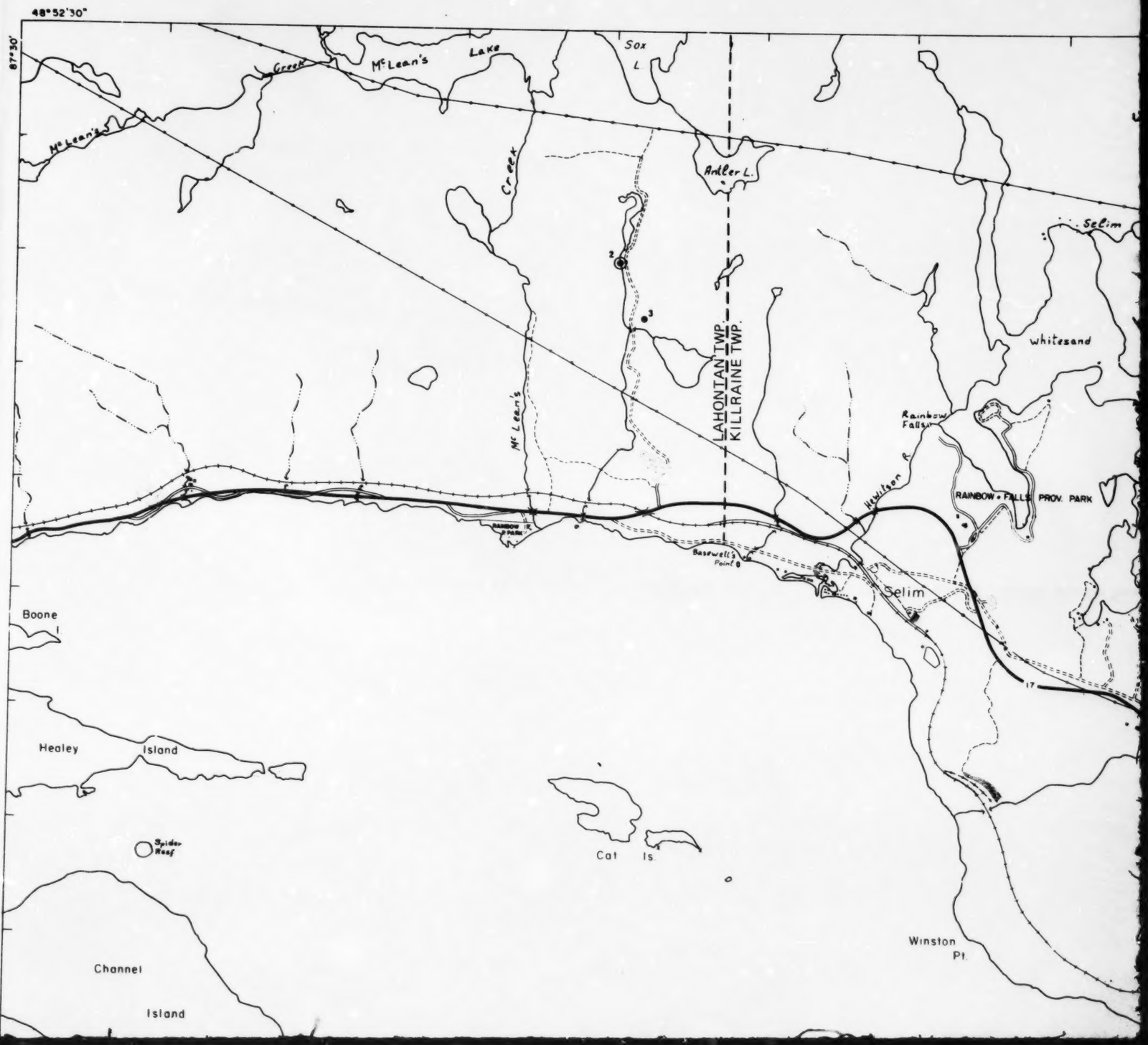
TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- Airborne Radiometric Anomaly
- Ground Magnetometer Anomaly
- Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- Ground Radiometric Anomaly
- Induced Polarization Anomaly
- Self Potential Anomaly
- Audio-frequency magnetometer anomaly (total intensity)
- Resistivity Anomaly



48°52'30"

87°15'

Lake

Sox L.

Creek

Antler L.

LAHONIAN TWP.
KILLRAINE TWP.

Lyne

Selim Lake

Sammy's Lake

Victoria L.

Umbo L.

VLF

M

KILLRAINE TWP.
PRISKE TWP.

Longworth L.

Reid Lake

Hartley Lake

Birch L.

Whitesand

Rainbow Falls

Wilson R.

RAINBOW FALLS PROV. PARK

Jason Lake

Hackle Lake

North Cook L.

Bell L.

Goose Lake

Rennie L.

Spectacle L.

Walker

Lily Bay

Bentorn L.

Pocksack L.

Billy L.

Basewell's Point

Selim

17

Cook

Pt. Pr

Mc Lean's

Cat Is.

CNCP MICRO-WAVE

Winston Pt.

CANADIAN PACIFIC RAILWAY

Ranger L.

Lake

AEM

VL

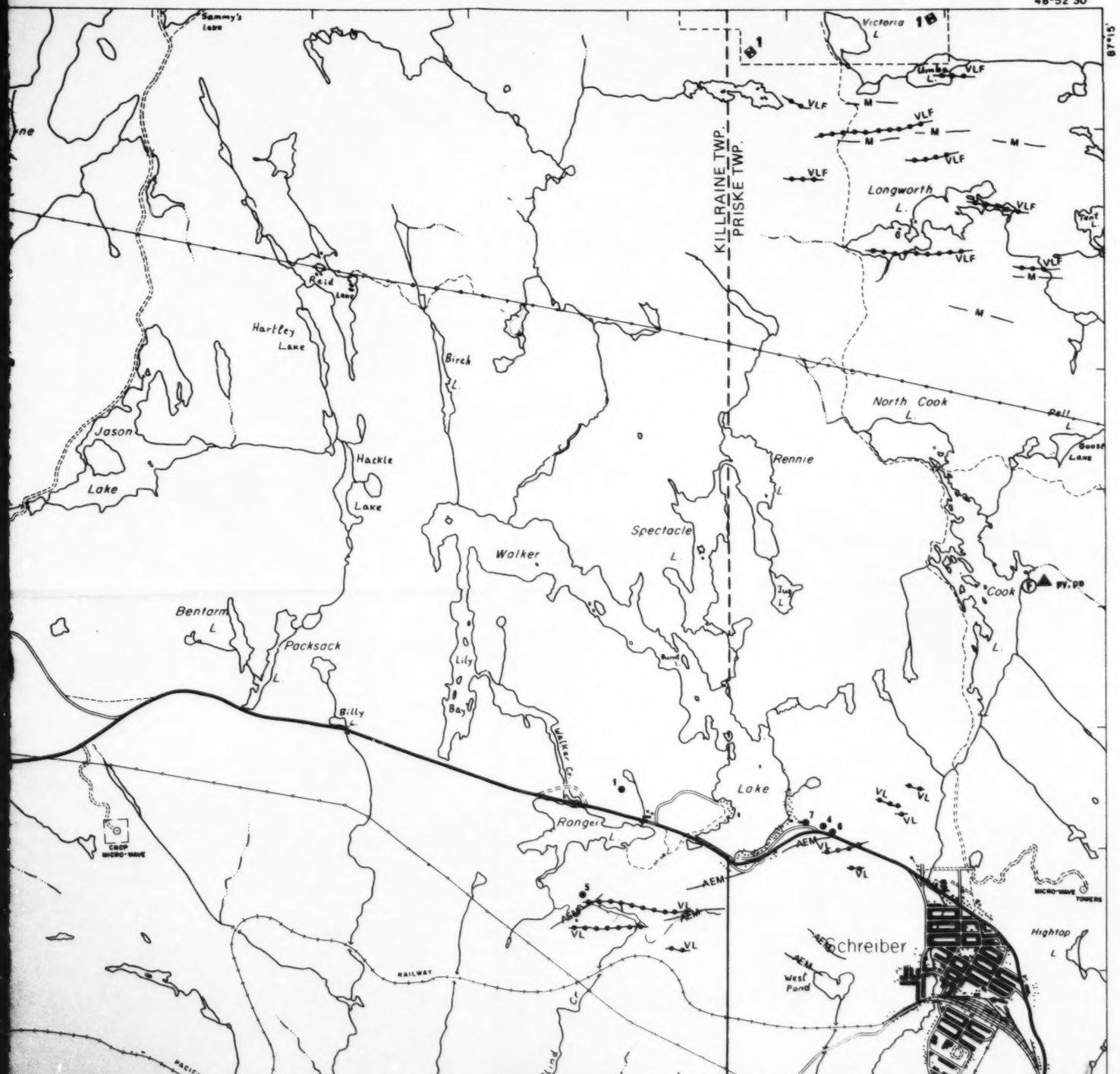
West Pond

Schreiber

Hightop L.

Blind Cr.

Twin Harbours



Ministry of Natural Resources — Ministry of Northern Affairs

Ontario

Hon. Michael Harris, Minister — Hon. Leo Bernier, Minister

Mary Mogford, Deputy Minister — David Hobbs, Deputy Minister

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 227

(Map **2** of **2**)

WALKER LAKE AREA

DISTRICT OF THUNDER BAY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

cp A. — Mineral occurrence at surface, with reference letter

RDIF 447

- ☒ M — Ground Magnetometer Anomaly
- ☒ VL — Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- ☐ RA — Ground Radiometric Anomaly
- ☐ IP — Induced Polarization Anomaly
- ☐ SP — Self Potential Anomaly
- ☐ AFMAG — Audio-frequency magnetometer anomaly (total intensity)
- ☐ R — Resistivity Anomaly
- ☐ GR — Gravity Anomaly
- ☒ AEM — Airborne Electronmagnetic Anomaly

MISCELLANEOUS DATA

- ☒ Trenching, pit
- ☒ Adit
- ☐ Open pit
- ☐ Rock quarry
- ☐ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

Cat Is.

Winston Pt

CNCP MICRO-WAVE

CANADIAN PACIFIC RAILWAY

Ranger L.

Lake

Schreiber

West Pond

Twin Harbours

Blind Cr.

Flint I.

Flat Pt

Schreiber Beach

Kingcome I.

Steamboat I.

McGarvey Shoal

Collingwood Bay

Fourth L.

Gwynne Mtn.

Au, Ag

Schreiber Pt

Swedes Gap

Copper Island

Copper Point

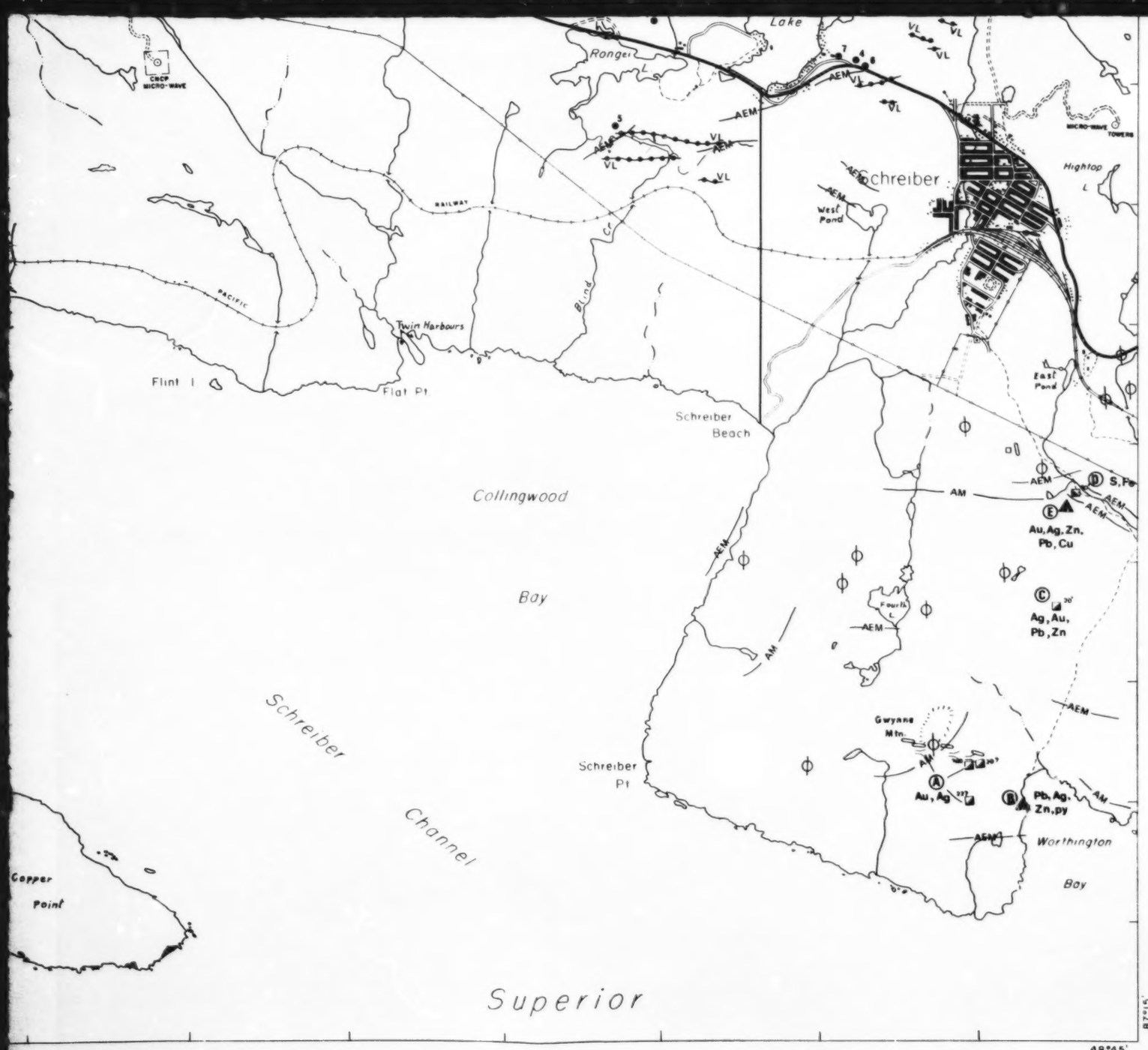
Barr I.

Lindsay Head

Lindsay Hd.

Schreiber Channel

Lake Superior



GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ☒ cp A. — Mineral occurrence at surface, with reference letter
- ☒ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- ☐ Ag Au A. — Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ cp A. — Mineralized Float with reference letter

DRILL HOLES

- ☒ ●² — Location of single drill hole, with reference number
- ☒ ◉² — Location of closely spaced group of drill holes, with reference number
- ☐ (?)² — Drill hole, exact location uncertain, with reference number.
- ☐ ◎ — Property with underground drill holes in this general area, with reference number
- ☐ ○² — Property with drill holes which have not been plotted on map, with reference number
- ☐ ⊕² — Reverse Circulation Drill Hole; Churn drilling, with reference number